AMENDMENTS TO THE CLAIMS

1. (Currently amended) A signal processing method comprising:

an overwriting step of overwriting ~~an~~ a LUT written into a table storage area with another LUT, in accordance with a content of each of a plurality of processes executed to a first signal or a second signal; and

a synthesizing step of performing a process corresponding to a content of the another LUT for the first signal or the second signal each time the LUT in the table storage area is overwritten and synthesizing the processed first signal and the second processed signal.

2. (Previously presented) The signal processing method according to claim 1, wherein the synthesizing step comprises:

a step of writing a first LUT for gray-scale correction of the first signal into the table storage area;

a step of performing gray-scale correction on the first signal by using the first LUT for gray-scale correction written into the table storage area;

a step of overwriting the table storage area where the first LUT for gray-scale correction is overwritten with a second LUT for gray-scale correction of the second signal;

a step of performing gray-scale correction on the second signal by using the second LUT for gray-scale correction written into the table storage area;

a step of overwriting the table storage area where the second LUT for gray-scale correction is overwritten with a weighting LUT for signal synthesis; and

a step of synthesizing the first signal and the second signal by using the weighting LUT for signal synthesis written into the table storage area.

Claims 3-17. (Canceled)